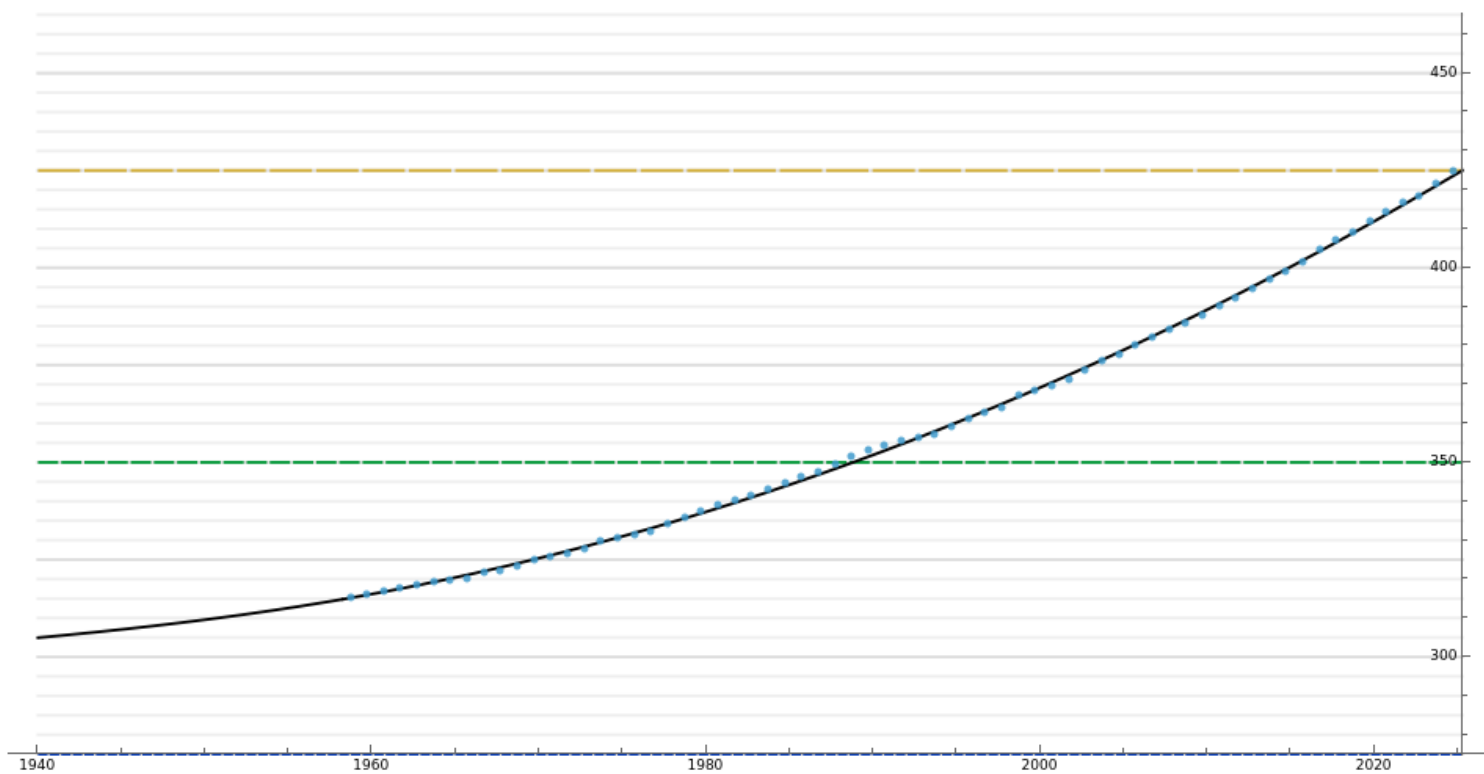
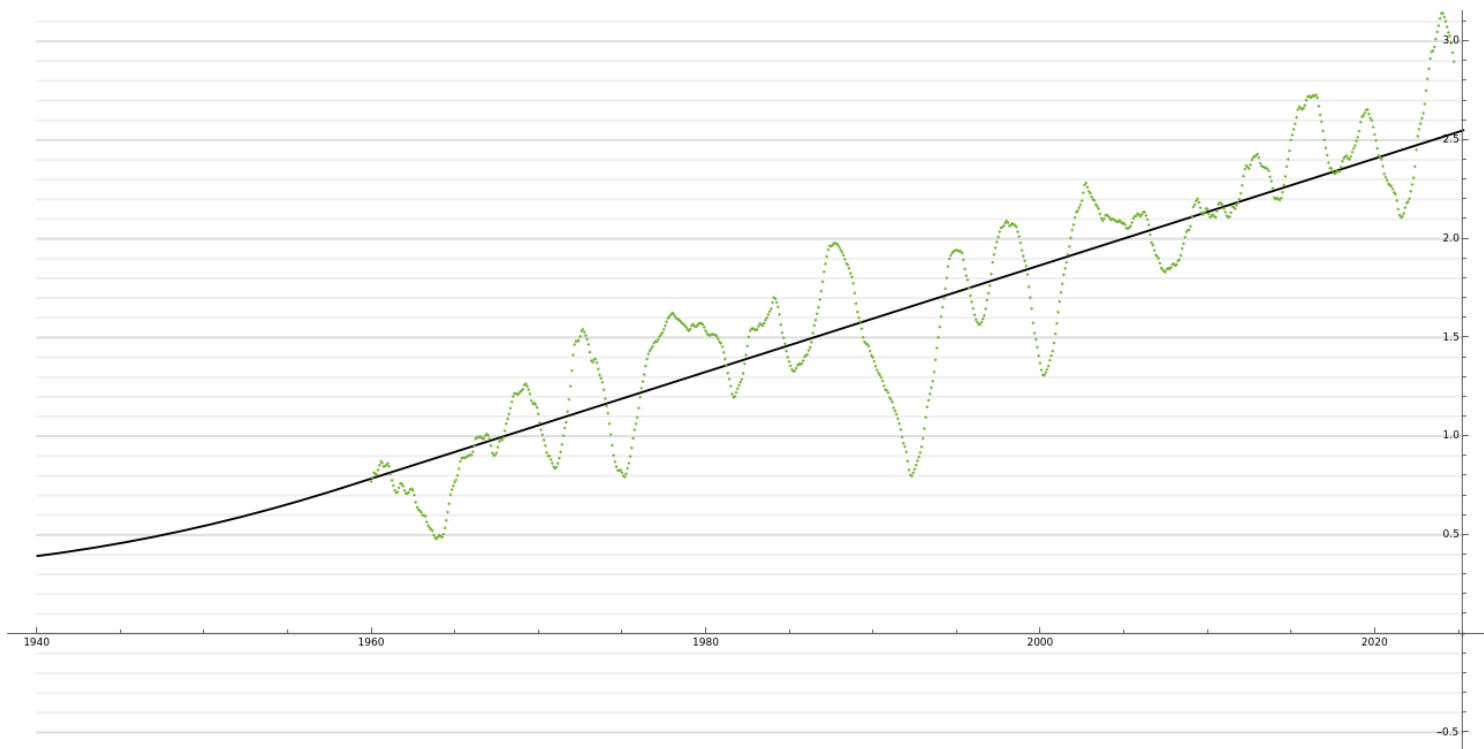




Snapshots—

1958 Mar 30, 314.9 PPM, 0.739 PPM/year;
 1988 Oct 20, 350.0 PPM, 1.565 PPM/year;
 2000 Jan 1, 369.215 PPM,
 1.86700 PPM/year, 0.0270179 PPM/year²;
 2015 Dec 12, 402.5 PPM, 2.298 PPM/year;
 2025 Apr 7, 425.0 PPM, 2.550 PPM/year.

Peak 435 PPM (subsequent pages)—

— for start-date 2026 Jan 1,
 necessary Net Zero date 2030 Sept 5;
 — 2027 Jan 1, 2030 Mar 2;
 — 2028 Jan 1, 2029 Aug 29;
 — 2029 Jan 1, 2029 Febr 27.

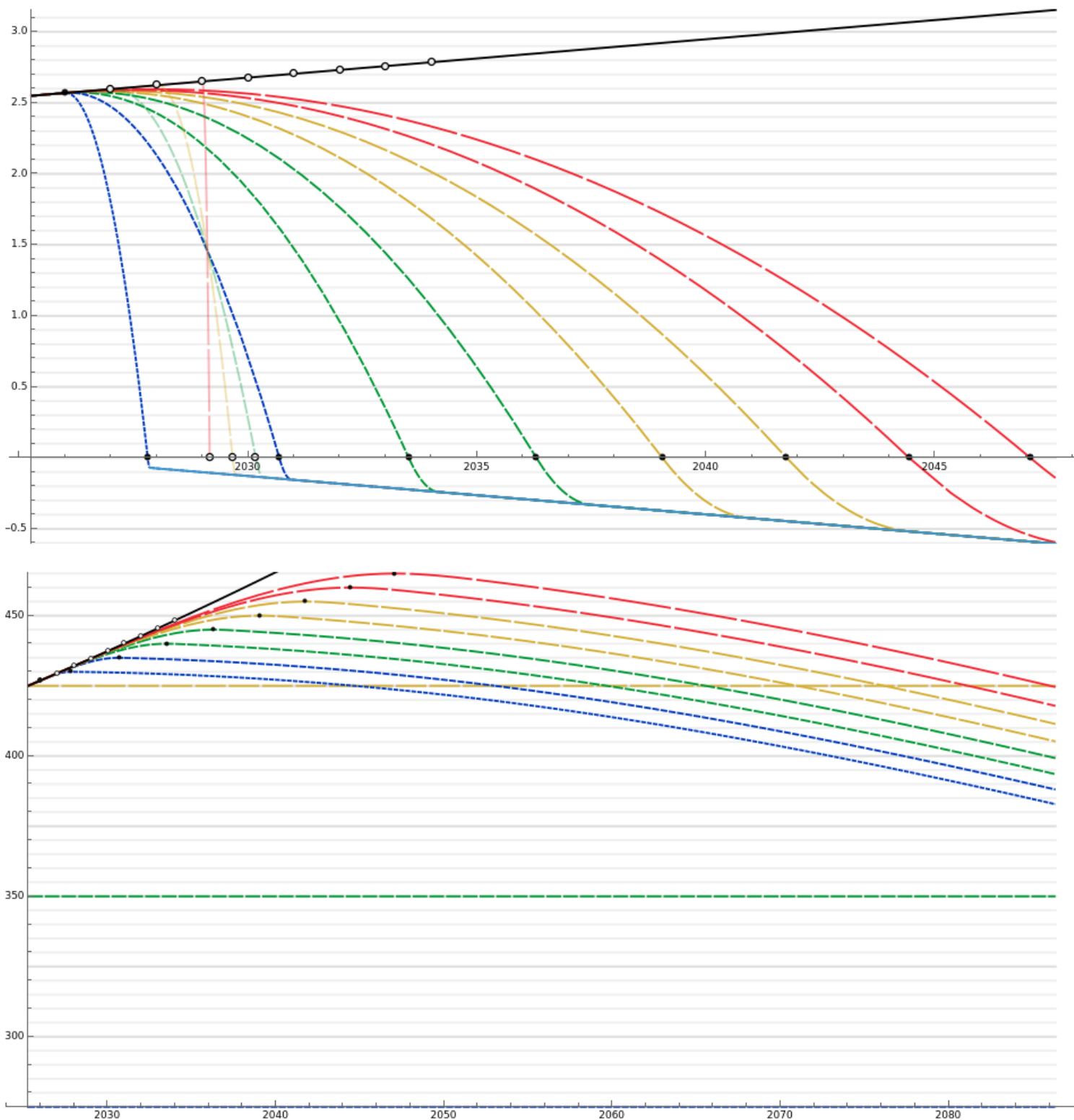


Figure 1B₂₀₂₆ (top); figure 2B₂₀₂₆ (bottom). For start-date 2026 Jan 1 (426.9 PPM, 2.570 PPM/year)—

- 430 PPM, 1.556 °C, 2027 Oct 22 (1.80 year), -1.42304 PPM/year² (-9.26 SD);
- 435 PPM, 1.618 °C, 2030 Sept 5 (4.67 year), -0.54931 PPM/year² (-3.68 SD);
- 440 PPM, 1.680 °C, 2033 July 4 (7.50 year), -0.34233 PPM/year² (-2.36 SD);
- 445 PPM, 1.743 °C, 2036 Apr 17 (10.29 year), -0.24964 PPM/year² (-1.77 SD);
- 450 PPM, 1.806 °C, 2039 Jan 17 (13.04 year), -0.19698 PPM/year² (-1.43 SD);
- 455 PPM, 1.871 °C, 2041 Oct 4 (15.75 year), -0.16307 PPM/year² (-1.22 SD);
- 460 PPM, 1.936 °C, 2044 June 8 (18.43 year), -0.13938 PPM/year² (-1.07 SD);
- 465 PPM, 2.002 °C, 2047 Jan 30 (21.08 year), -0.12190 PPM/year² (-0.96 SD).

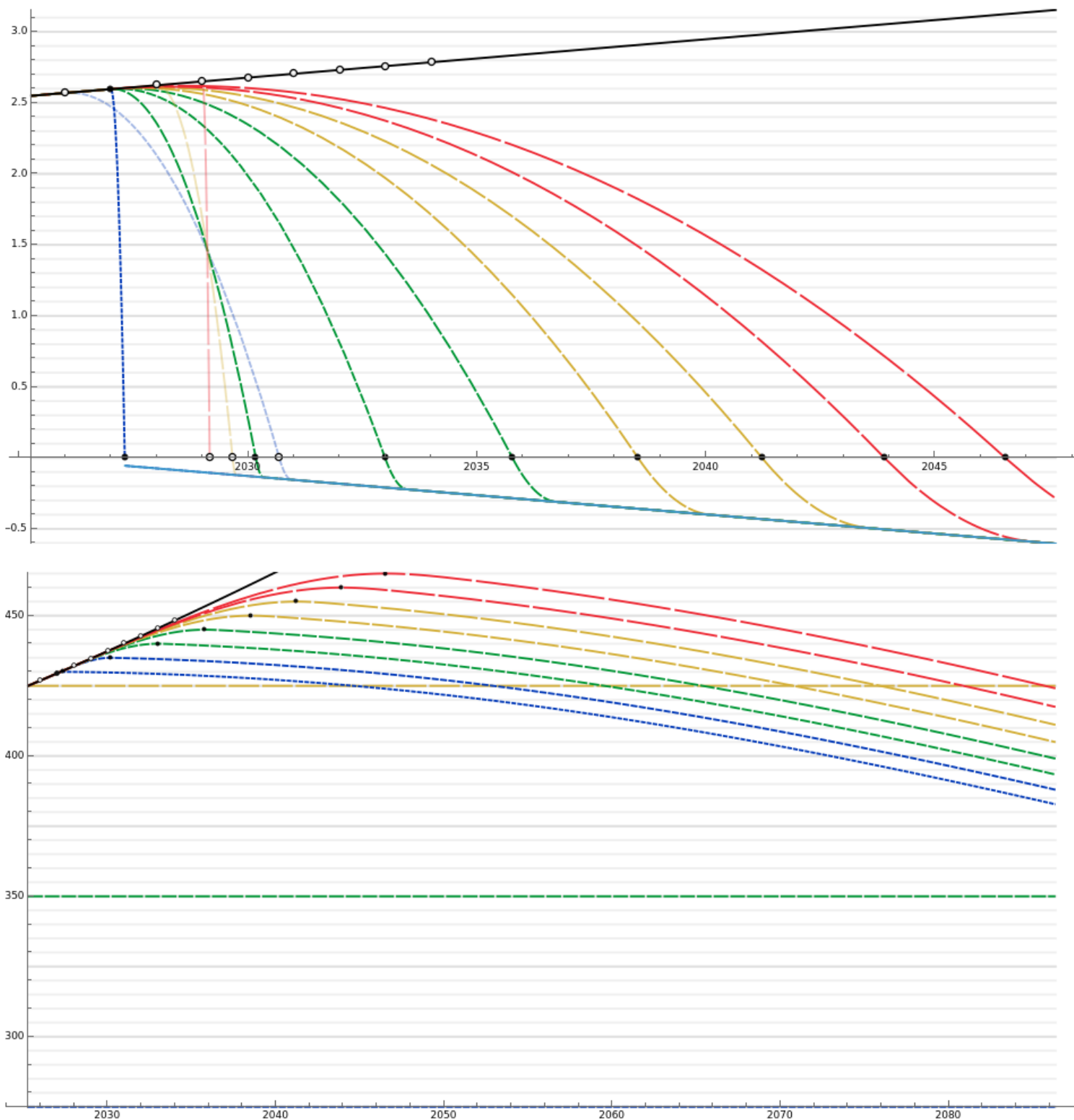


Figure 1B₂₀₂₇ (top); figure 2B₂₀₂₇ (bottom). For start-date 2027 Jan 1 (429.1 PPM, 2.597 PPM/year)—

- 430 PPM, 1.556 °C, 2027 Apr 22 (0.30 year), -8.52461 PPM/year² (-54.53 SD);
- 435 PPM, 1.618 °C, 2030 Mar 2 (3.16 year), -0.82021 PPM/year² (-5.41 SD);
- 440 PPM, 1.680 °C, 2032 Dec 27 (5.98 year), -0.43359 PPM/year² (-2.94 SD);
- 445 PPM, 1.743 °C, 2035 Oct 9 (8.77 year), -0.29607 PPM/year² (-2.07 SD);
- 450 PPM, 1.806 °C, 2038 July 7 (11.51 year), -0.22552 PPM/year² (-1.62 SD);
- 455 PPM, 1.871 °C, 2041 Mar 22 (14.22 year), -0.18258 PPM/year² (-1.34 SD);
- 460 PPM, 1.936 °C, 2043 Nov 23 (16.89 year), -0.15370 PPM/year² (-1.16 SD);
- 465 PPM, 2.002 °C, 2046 July 14 (19.53 year), -0.13294 PPM/year² (-1.02 SD).

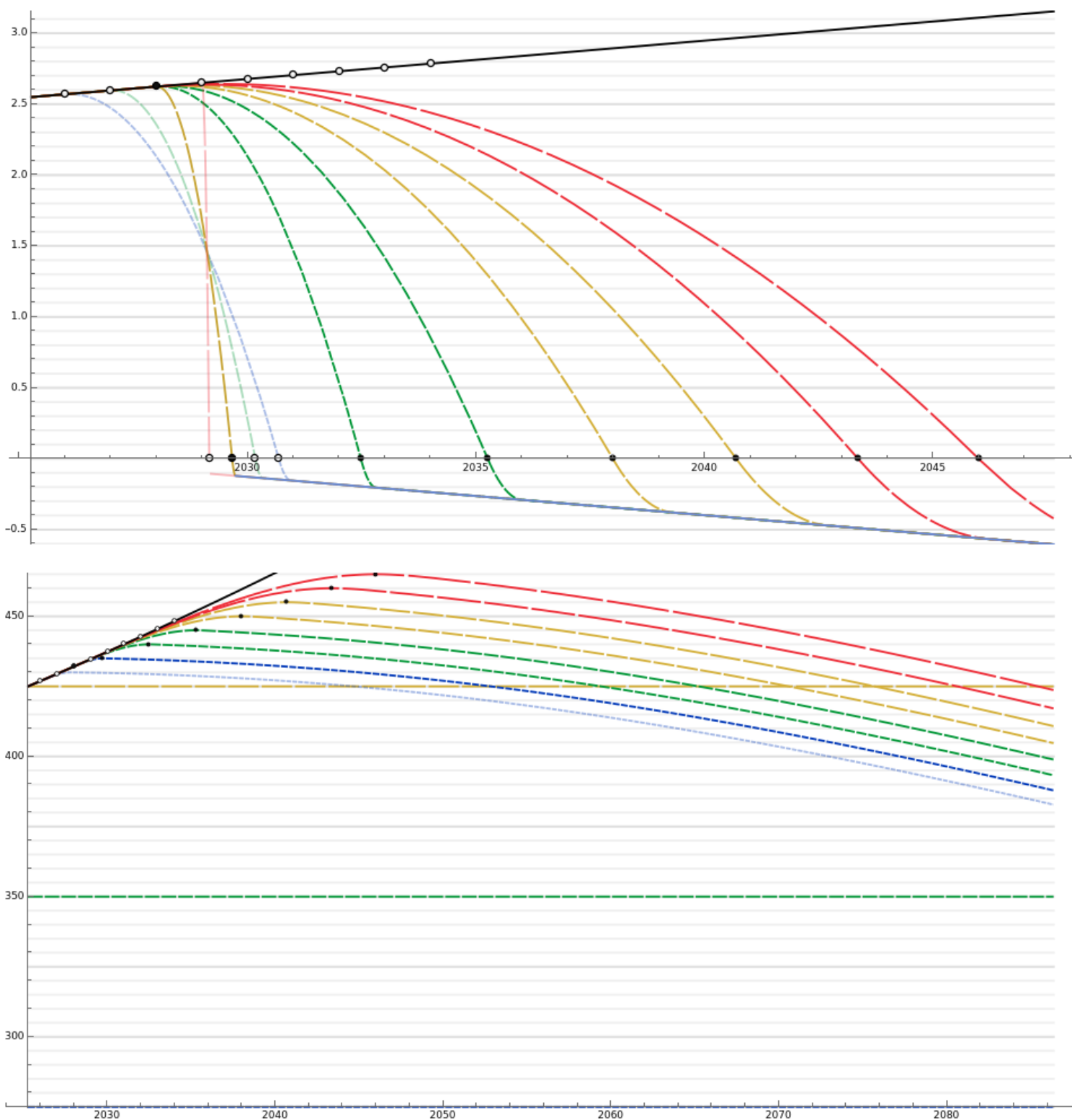


Figure 1B₂₀₂₈ (top); figure 2B₂₀₂₈ (bottom). For start-date 2028 Jan 1 (432.1 PPM, 2.624 PPM/year)—

- 430 PPM overshoot;
- 435 PPM, 1.618 °C, 2029 Aug 29 (1.65 year), -1.58124 PPM/year² (-10.26 SD);
- 440 PPM, 1.680 °C, 2032 June 22 (4.47 year), -0.58644 PPM/year² (-3.92 SD);
- 445 PPM, 1.743 °C, 2035 Apr 2 (7.24 year), -0.36187 PPM/year² (-2.48 SD);
- 450 PPM, 1.806 °C, 2037 Dec 27 (9.98 year), -0.26268 PPM/year² (-1.85 SD);
- 455 PPM, 1.871 °C, 2040 Sept 8 (12.68 year), -0.20679 PPM/year² (-1.50 SD);
- 460 PPM, 1.936 °C, 2043 May 10 (15.35 year), -0.17087 PPM/year² (-1.27 SD);
- 465 PPM, 2.002 °C, 2045 Dec 27 (17.98 year), -0.14585 PPM/year² (-1.11 SD).

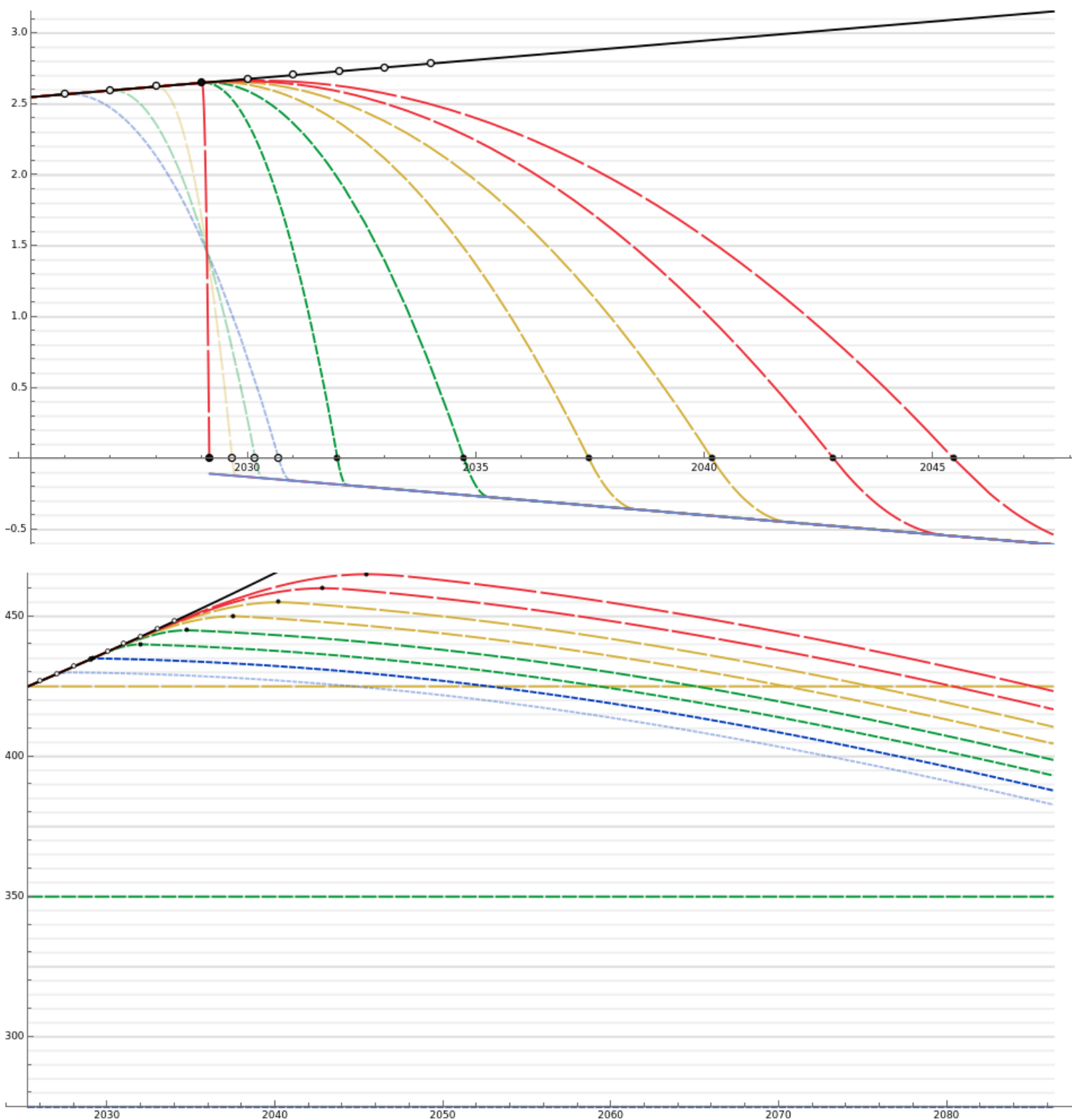


Figure 1B₂₀₂₉ (top); figure 2B₂₀₂₉ (bottom). For start-date 2029 Jan 1 (434.8 PPM, 2.651 PPM/year)—

— 430 PPM overshoot;

— 435 PPM, 1.618 °C, 2029 Febr 27 (0.15 year), -16.76361 PPM/year² (-107.07 SD);

— 440 PPM, 1.680 °C, 2031 Dec 19 (2.96 year), -0.89412 PPM/year² (-5.88 SD);

— 445 PPM, 1.743 °C, 2034 Sept 25 (5.73 year), -0.46238 PPM/year² (-3.13 SD);

— 450 PPM, 1.806 °C, 2037 June 19 (8.46 year), -0.31313 PPM/year² (-2.17 SD);

— 455 PPM, 1.871 °C, 2040 Febr 28 (11.15 year), -0.23753 PPM/year² (-1.69 SD);

— 460 PPM, 1.936 °C, 2042 Oct 27 (13.81 year), -0.19179 PPM/year² (-1.40 SD);

— 465 PPM, 2.002 °C, 2045 June 12 (16.44 year), -0.16117 PPM/year² (-1.20 SD).

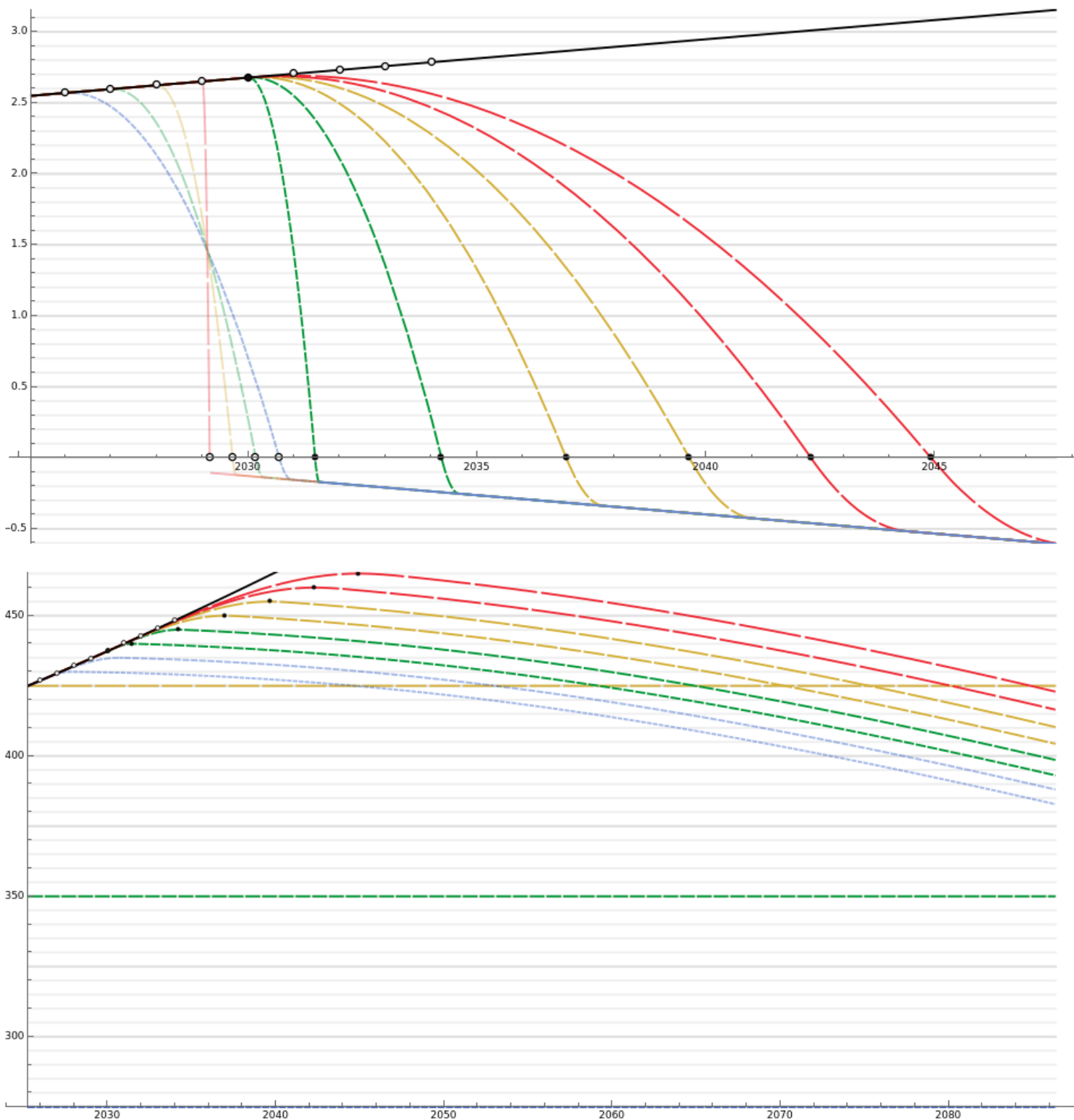


Figure 1B₂₀₃₀ (top); figure 2B₂₀₃₀ (bottom). For start-date 2030 Jan 1 (437.4 PPM, 2.678 PPM/year)—

- 430 PPM overshoot;
- 435 PPM overshoot;
- 440 PPM, 1.680 °C, 2031 June 18 (1.46 year), -1.83312 PPM/year² (-11.87 SD);
- 445 PPM, 1.743 °C, 2034 Mar 22 (4.22 year), -0.63443 PPM/year² (-4.22 SD);
- 450 PPM, 1.806 °C, 2036 Dec 11 (6.94 year), -0.38556 PPM/year² (-2.64 SD);
- 455 PPM, 1.871 °C, 2039 Aug 20 (9.63 year), -0.27795 PPM/year² (-1.95 SD);
- 460 PPM, 1.936 °C, 2042 Apr 16 (12.28 year), -0.21789 PPM/year² (-1.57 SD);
- 465 PPM, 2.002 °C, 2044 Nov 28 (14.90 year), -0.17960 PPM/year² (-1.32 SD).

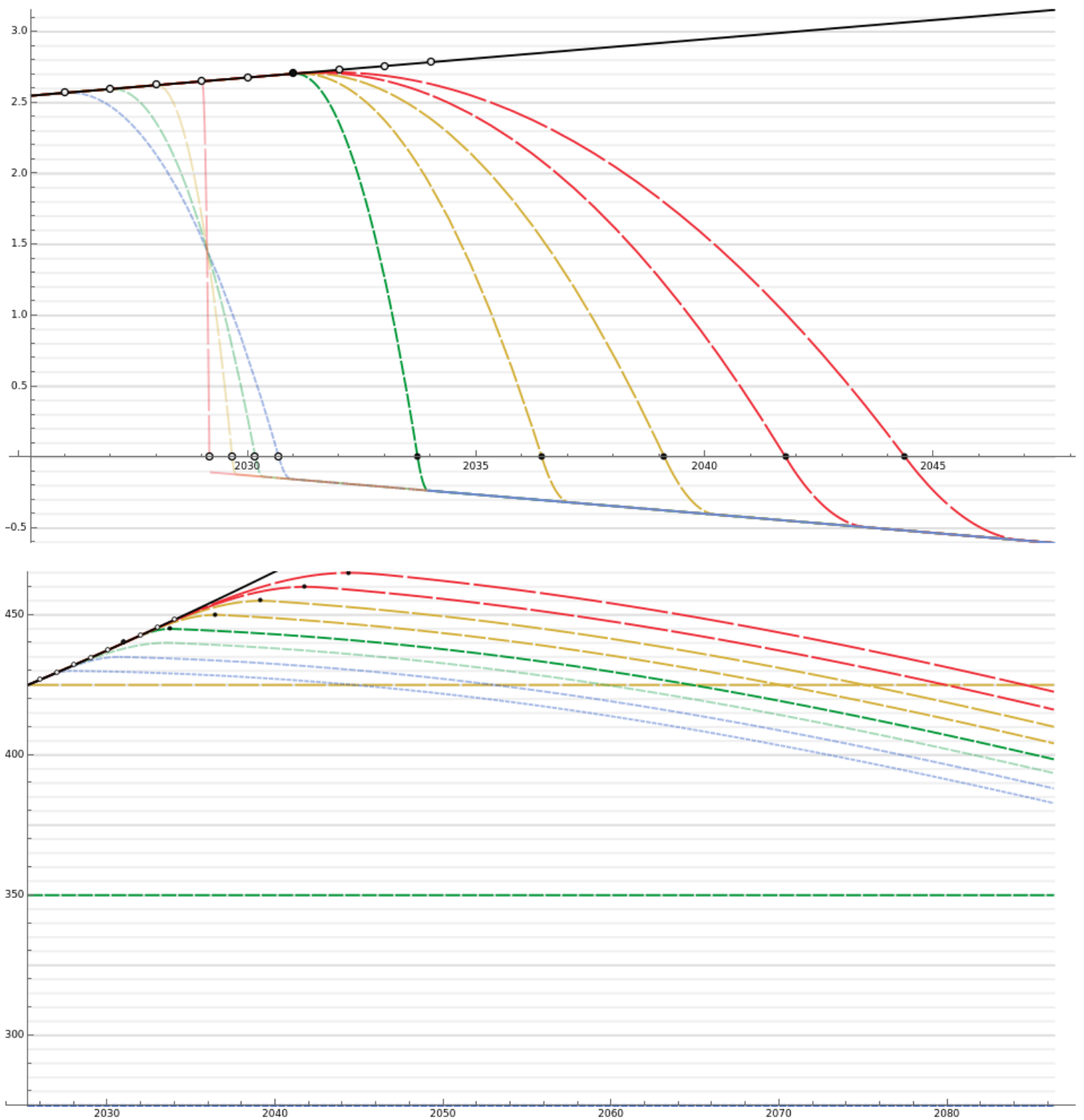


Figure 1B₂₀₃₁ (top); figure 2B₂₀₃₁ (bottom). For start-date 2031 Jan 1 (440.1 PPM, 2.705 PPM/year)—

- 430 PPM overshoot;
- 435 PPM overshoot;
- 440 PPM overshoot;
- 445 PPM, 1.743 °C, 2033 Sept 18 (2.71 year), -0.99656 PPM/year² (-6.54 SD);
- 450 PPM, 1.806 °C, 2036 June 6 (5.42 year), -0.49809 PPM/year² (-3.36 SD);
- 455 PPM, 1.871 °C, 2039 Febr 11 (8.11 year), -0.33337 PPM/year² (-2.30 SD);
- 460 PPM, 1.936 °C, 2041 Oct 5 (10.76 year), -0.25135 PPM/year² (-1.78 SD);
- 465 PPM, 2.002 °C, 2044 May 18 (13.37 year), -0.20217 PPM/year² (-1.47 SD).

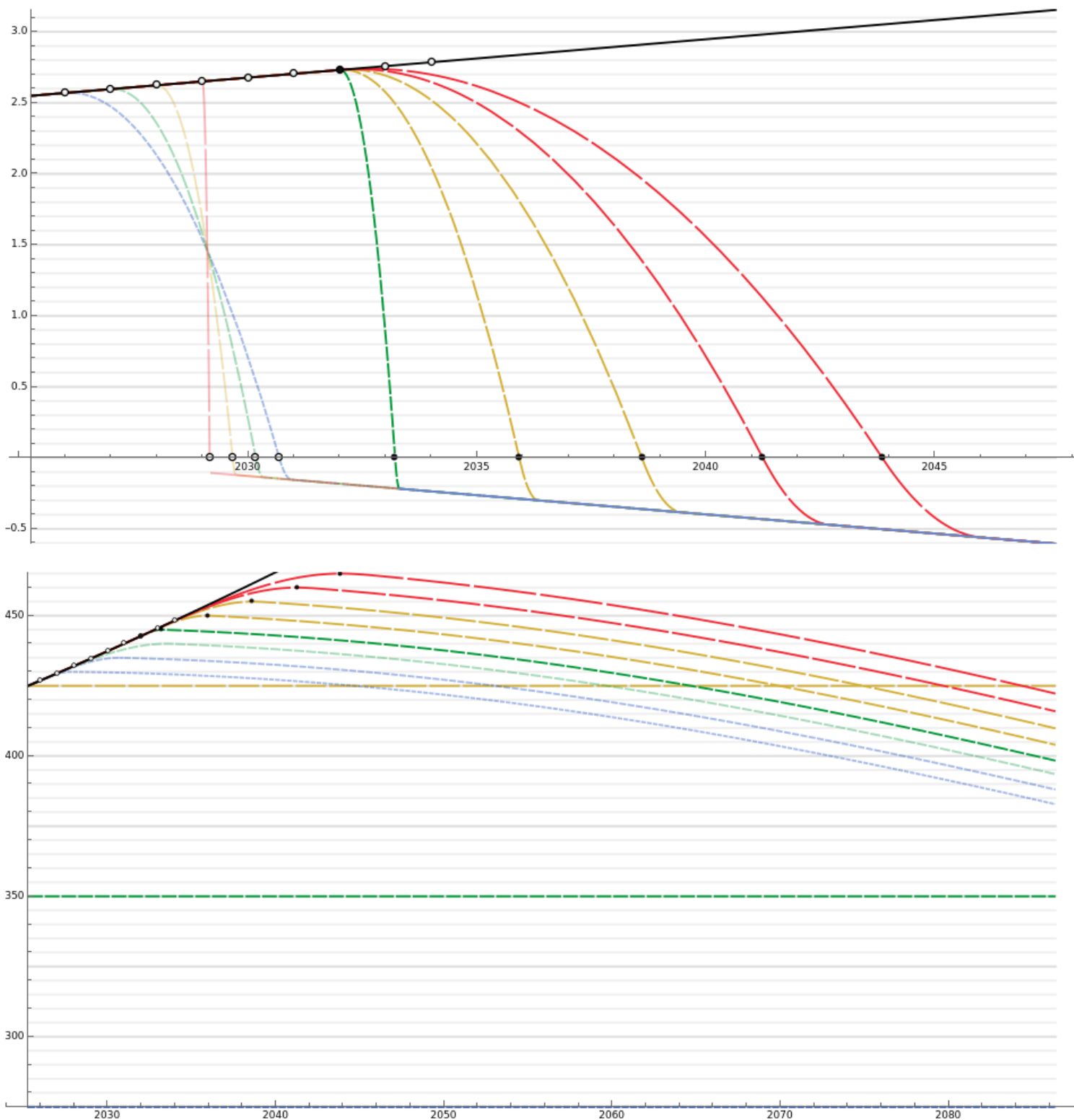


Figure 1B₂₀₃₂ (top); figure 2B₂₀₃₂ (bottom). For start-date 2032 Jan 1 (442.8 PPM, 2.732 PPM/year)—

- 430 PPM overshoot;
- 435 PPM overshoot;
- 440 PPM overshoot;
- 445 PPM, 1.743 °C, 2033 Mar 17 (1.20 year), -2.26237 PPM/year² (-14.61 SD);
- 450 PPM, 1.806 °C, 2035 Dec 2 (3.91 year), -0.69721 PPM/year² (-4.63 SD);
- 455 PPM, 1.871 °C, 2038 Aug 6 (6.59 year), -0.41416 PPM/year² (-2.82 SD);
- 460 PPM, 1.936 °C, 2041 Mar 28 (9.23 year), -0.29571 PPM/year² (-2.06 SD);
- 465 PPM, 2.002 °C, 2043 Nov 6 (11.84 year), -0.23058 PPM/year² (-1.65 SD).

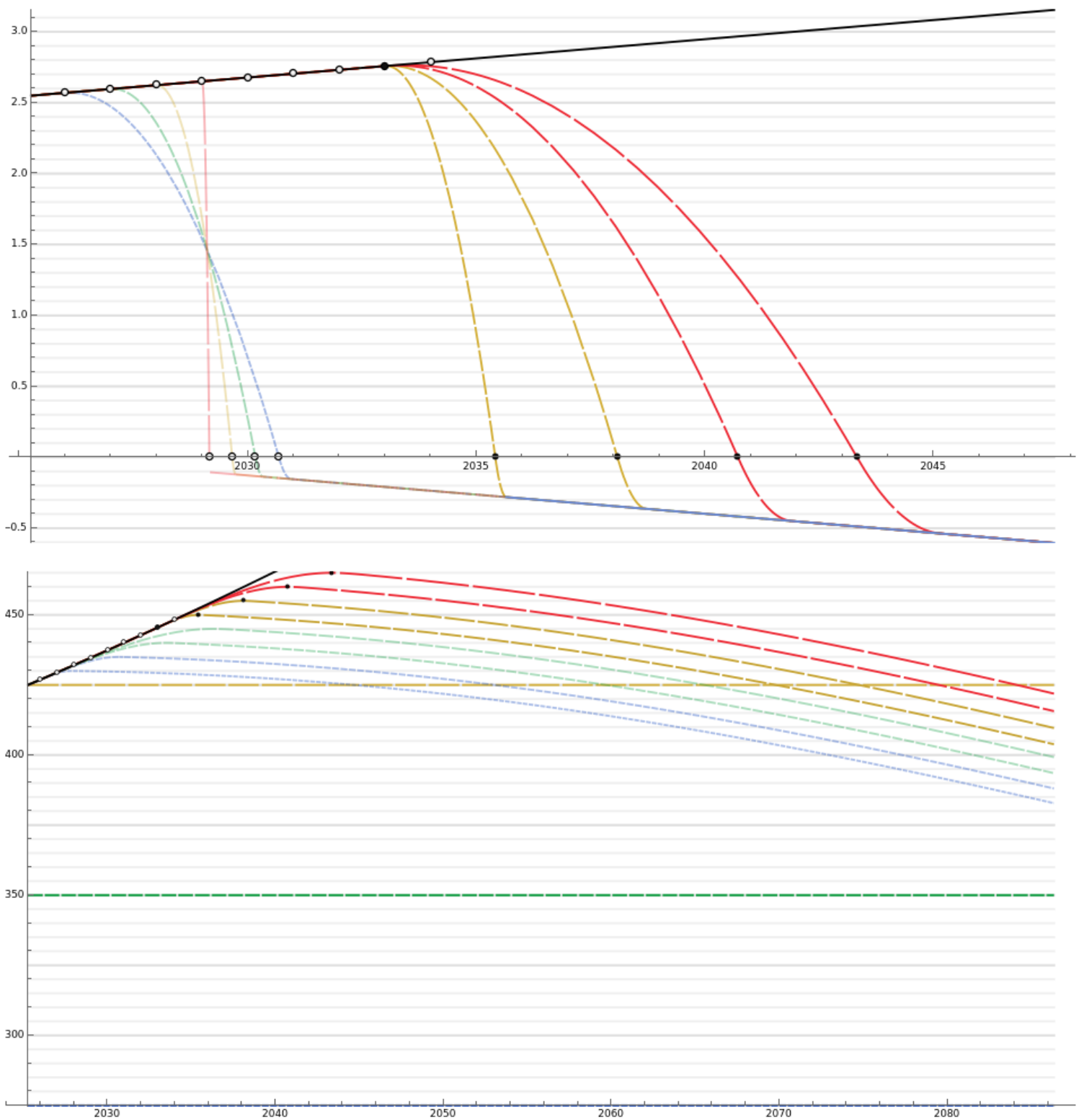


Figure 1B₂₀₃₃ (top); figure 2B₂₀₃₃ (bottom). For start-date 2033 Jan 1 (445.6 PPM, 2.759 PPM/year)—

- 430 PPM overshoot;
- 435 PPM overshoot;
- 440 PPM overshoot;
- 445 PPM overshoot;
- 450 PPM, 1.806 °C, 2035 May 31 (2.41 year), -1.14400 PPM/year² (-7.48 SD);
- 455 PPM, 1.871 °C, 2038 Jan 30 (5.08 year), -0.54295 PPM/year² (-3.64 SD);
- 460 PPM, 1.936 °C, 2040 Sept 19 (7.71 year), -0.35746 PPM/year² (-2.46 SD);
- 465 PPM, 2.002 °C, 2043 Apr 28 (10.32 year), -0.26728 PPM/year² (-1.88 SD).

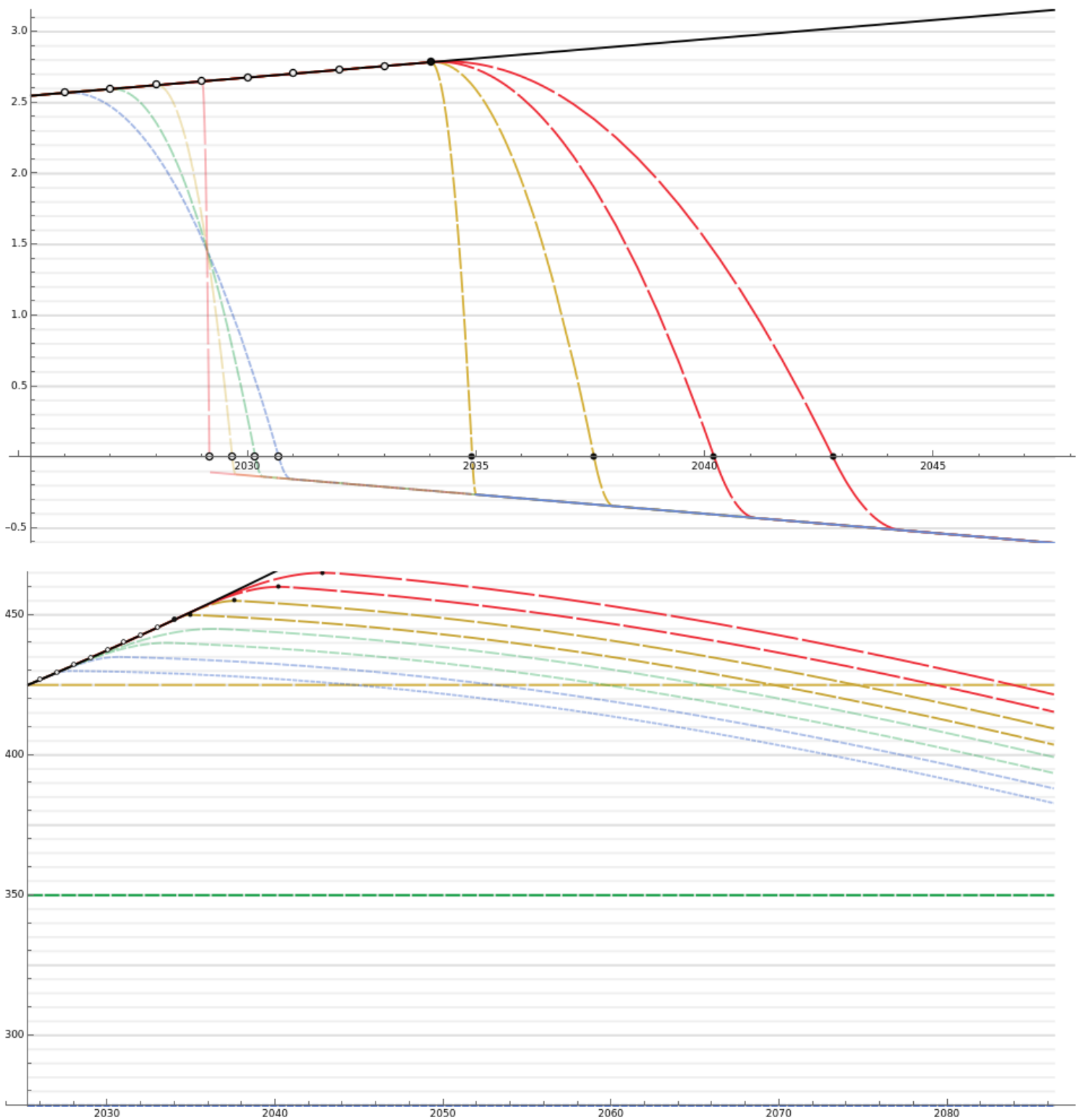


Figure 1B₂₀₃₄ (top); figure 2B₂₀₃₄ (bottom). For start-date 2034 Jan 1 (448.4 PPM, 2.786 PPM/year)—

- 430 PPM overshoot;
- 435 PPM overshoot;
- 440 PPM overshoot;
- 445 PPM overshoot;
- 450 PPM, 1.806 °C, 2034 Nov 28 (0.90 year), -3.06920 PPM/year² (-19.76 SD);
- 455 PPM, 1.871 °C, 2037 July 28 (3.57 year), -0.77995 PPM/year² (-5.15 SD);
- 460 PPM, 1.936 °C, 2040 Mar 14 (6.19 year), -0.44930 PPM/year² (-3.04 SD);
- 465 PPM, 2.002 °C, 2042 Oct 19 (8.79 year), -0.31662 PPM/year² (-2.20 SD).